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REVISION			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE, RFS. 6798,DMR	08/04/05	DMR
B	UPDATE PACKING, RFS. 6840, DMR	08/10/05	DMR
C	UPDATE PACKING BOX DIM., RFS. 7367, SO	10/31/05	DMR
D	ADD CH. ROHS, UPDATE LABEL, RFS. 12093, FS	10/01/07	HM

1. ELECTRICAL SPECIFICATION:

INPUT

INPUT VOLTAGE:	90Vac TO 264Vac
INPUT CURRENT:	<0.5Arms AT 90Vac INPUT
INPUT FREQUENCY:	47HZ - 63HZ

OUTPUT

OUTPUT VOLTAGE:	48 VDC, NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED
OUTPUT CURRENT:	0.375A
RATED OUTPUT POWER:	18 WATTS, MAXIMUM
OUTPUT REGULATION:	+/-5% MEASURED AT THE OUTPUT CONNECTOR
LINE VOLTAGE REGULATION:	+/- 1% TYPICAL MEASURED AT FULL LOAD
HIGH FREQ. OUTPUT RIPPLE:	1% OF OUTPUT VOLTAGE , PEAK TO PEAK, TYPICAL
TURN-ON/TURN-OFF OVERSHOOT:	5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD
TURN-ON DELAY:	1 SECOND, TYPICAL
HOLD-UP TIME:	10mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD
INRUSH CURRENT:	30A TYPICAL AT 115Vac INPUT AND 40A TYPICAL AT 230Vac INPUT
SWITCHING FREQUENCY:	100KHZ TYPICAL, VARIES WITH LINE AND LOAD
EFFICIENCY:	75% TYPICAL AT NOMINAL INPUT AND FULL LOAD

PROTECTION

OVER-VOLTAGE:	VOLTAGE LIMITED BY CROWBAR METHOD
OVERLOAD/SHORT CIRCUIT:	MOMENTARY SHORT CIRCUIT PROTECTED, OUTPUT WILL AUTORECOVER UPON REMOVAL OF SHORT
INPUT PROTECTION:	INPUT LINE FUSING

SAFETY

DIELECTRIC WITHSTAND VOLTAGE: FOR CLASS II WITH FUNCTIONAL EARTH VERSIONS:	4242Vdc FROM PRIMARY TO SECONDARY
EARTH LEAKAGE CURRENT:	< 300uA at 264Vac INPUT VOLTAGE

APPROVALS

ITE UNITS:	UL 60950, CUL TO 22.2NO.60950, TUV TO EN60950 AND cTUVus TO UL 60950 FOR CLASS II FE AND AND CLASS II; CE FOR EMC, KTL EK MARK TO 60950 (FOR GT-21089-0909T3 ~ GT-21089-1305-T3), CHINESE CCC MARK TO GB4943-2001, GB9254-1998, GB17625.1-2003 (GT-21089-T3 FROM 5~18V OUTPUT), PSE TO J60950, AS/NZ 60950, DEMKO TO EN 60950, PCBC TO EN 60950, ARGENTINA TUV/S, CB REPORT
EMI:	COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI
C-TICK	TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.
CE MARK:	TESTED TO COMPLY WITH EN61000-3-2 EN610003-3 AND EN50082-1 INCLUDING EN61000-4-2 (SYSTEM LEVEL), EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11 LEVEL 4.

OTHERS

MTBF:	200,000 HOURS AT 25C AMBIENT TEMPERATURE
OPERATING TEMPERATURE:	0°C TO 40°C AMBIENT TEMPERATURE
HUMIDITY:	0% TO 90% RELATIVE HUMIDITY
STORAGE TEMPERATURE:	-10°C TO 80°C
ROHS:	COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

Foot Note:
Globtek Inc. will not be liable for the safety and performance of these power supplies if unauthorized access and repair occurs. End user should consult applicable UL, CSA or EN standards for proper installation instructions.

Limitation of Use:
Globtek product are not authorized for use as mission critical components in life support, hazardous environment, nuclear or aircraft applications without prior written approval from the CEO of Globtek Inc.

Contents of this document are subject to change without prior notice

DASH NO.	PART NO	REV.	DESCRIPTION	NOTES

TABULATION BLOCK

TOLERANCES:
DECIMALS .xx +/- 0.1 .xxx +/- .005 ANGULAR +/- 1°
MILLIMETERS .xx +/- 0.3 .xxx +/- .013 ANGULAR +/- 1°

GlobTek, Inc.
186 Veterans Dr. Northvale, NJ 07647
Tel. 201-784-1000 Fax 201.784.0111

INIT.BY: DMR	DATE: 08/04/05		
DRAWN: NF	DATE: 08/04/05	FSCN No.: G, Y	SIZE A
APRVD : DMR	DATE: 08/04/05	CAGE CODE: 0GV V90	
		SCALE: NONE	

DWG TITLE: SWITCHER , 18WATT, 48VDC @ 0,.375 A, SINGLE OUTPUT, DESKTOP UNIVERSAL INPUT, ITE, CLASS II FE

MODEL NO: GT-21089-1948 -T3 — REV. D

PART NO: **TR9CX375LCIS-Y(R)** — SHEET 1 OF 5

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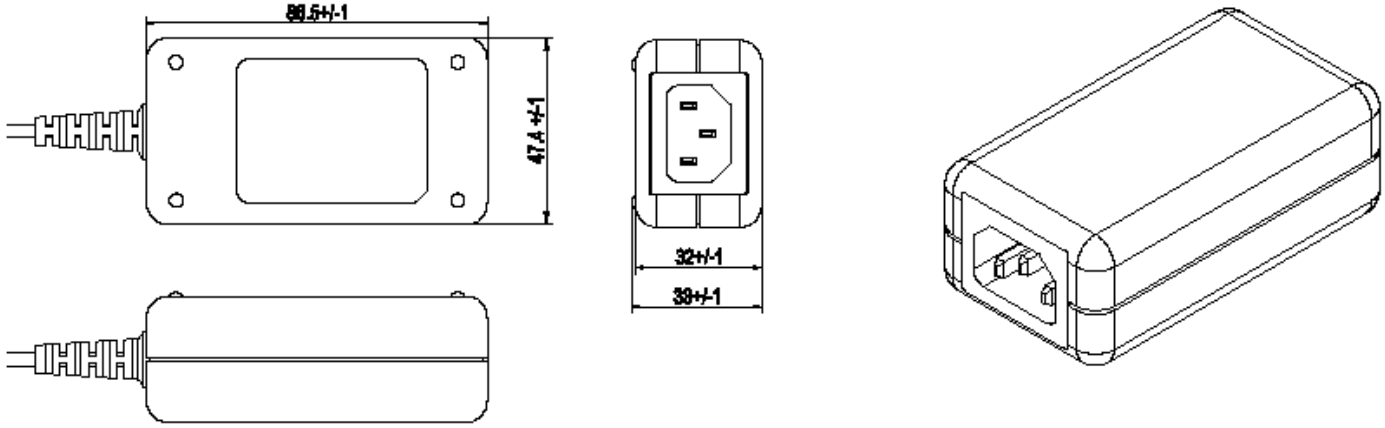
2. ENCLOSURE / INPUT CONFIGURATION:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE
UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK
LOWER HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK

2.1 DESKTOP CLASS I(-T3):

SIZE: 86.5 x 47.4 x 32 ± 0.5 mm



3. INPUT PLUG:

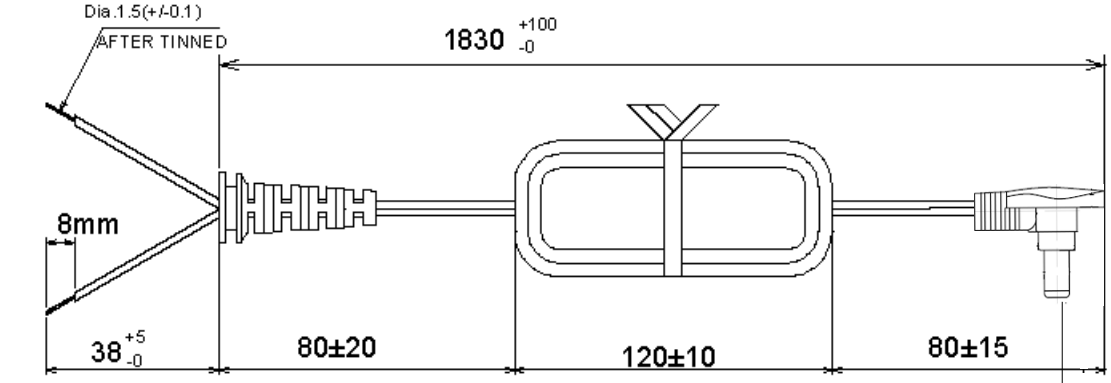
CONFIGURATION: CLASS I MODEL IEC320 / C14, AC POWER INLET WITH 3 MALE PRONGS.

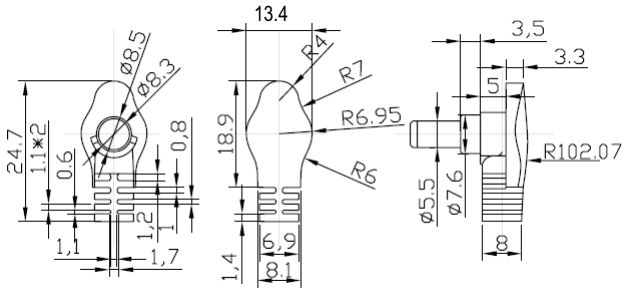
4. OUTPUT CORD :

2 CONDUCTOR, 18 AWG STRANDED WIRE, FLAT SPT-1 CORD TYPE, COLOR BLACK, LENGTH (L) OF CORD: 1830 +100, -0 mm. CORD IS MEASURED FROM THE HOUSING TO THE END OF OVERMOLD OF THE CONNECTOR. CABLE IS TO BE MARKED WITH WIRE GAUGE, AND ALL APPLICABLE RATING AND SAFETY APPROVALS.

4.1. OUTPUT CONNECTOR:

CUSTOM, RIGHT ANGLE FEMALE BARREL 5.5 x 2.5 x 9.5 mm (SPRING LOADED WITH LOCKING NOTCH) CENTER POSITIVE
PLUG P/N: 1075S073A0**





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DWG TITLE:	SWITCHER , 18WATT, 48VDC @ 0,.375 A, SINGLE OUTPUT, DESKTOP UNIVERSAL INPUT, ITE, CLASS II FE	
MODEL NO:	GT-21089-1948 -T3	REV. D
PART NO:	**TR9CX375LCIS-Y(R)**	SHEET 2 OF 5

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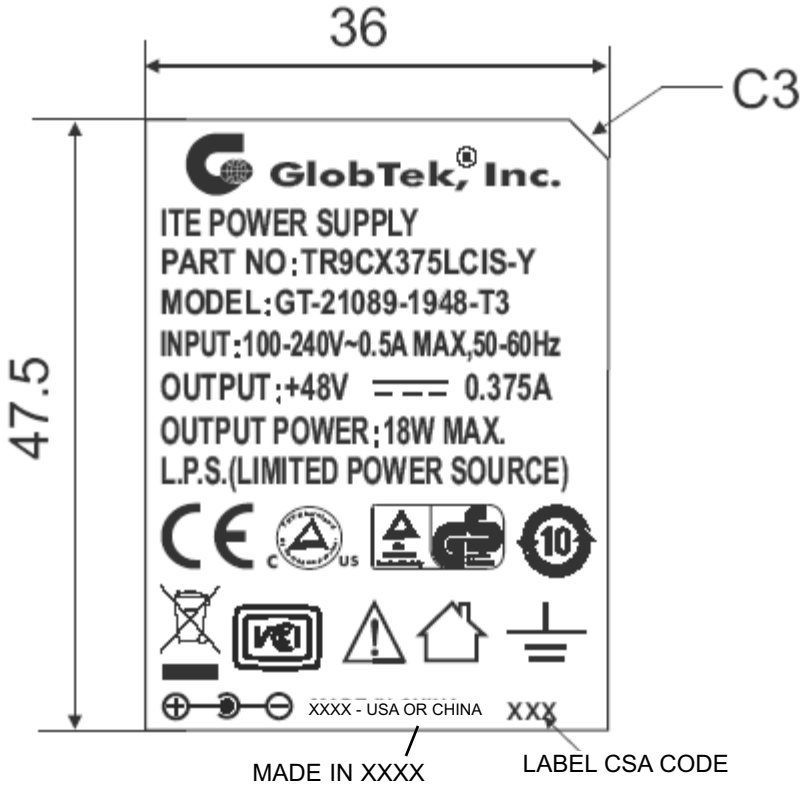
6. LABEL:

MATERIAL: .007 (0.18) THICK FLAT THERMAL TRANSFER, IMPRINTABLE, BLACK POLYESTER SHEET WITH WHITE NOMENCLATURE.
MANUFACTURER: STEVEN LABEL, MATERIAL I.D. NO.3302-33, UL FILE NO. MH12821(N), UL MATERIAL DESIGNATION FILE NO. GHW332RL. OPTIONAL LABEL MATERIAL CAN BE SUBSTITUTED PROVIDING MATERIAL IS UL LISTED AND COMPLIES WITH APPLICABLE SAFETY REQUIREMENTS.



PS E APPROVED → **AVAILABLE UPON REQUEST**

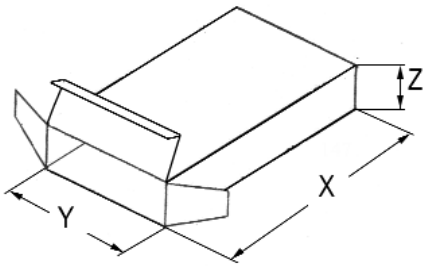
ACTUAL POSITIONING OF SYMBOLS AND TEXT IS SUBJECT TO CHANGE AT TIME OF MANUFACTURE

CAUTION: FOR INDOOR USE ONLY
ATTENTION: POUR UTILASATION A L'INTERUR SEULAMENT

S/N: | RoHS UNDERNEATH OF MAIN LABEL

7. INDIVIDUAL PACKING BOX:

MATERIAL: CORRUGATED FIBERBOARD, F-FLUTE 0.8 (2.0) THICK, DOUBLE WALL CONSTRUCTION.
EXTERNAL FINISH: WHITE, COATED WITH GLOSS FINISH (AQUEOUS OR VARNISH) STYLE: TUCK SIDES WITH LOCKING TABS ON BOTH SIDES OF BOX. NO PRINTING ON THE OUTSIDE OF BOX.



X = 147 mm
Y = 100 mm
Z = 33 mm

60 PCS PER CARTON
G.W. = 13.2 kg

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MODEL NO:	GT-21089-1948 -T3	REV. D
PART NO:	**TR9CX375LCIS-Y(R)**	SHEET 3 OF 5

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This manual is Provided to customer within the product specification - it is the responsibility of the OEM/customer to provide the end system user instructions + warnings for the use of this product in the end system. By accepting this specification the customer/OEM Agrees to these terms.

USER MANUAL FOR GT-21089 SERIES SWITCHING POWER SUPPLIES
Manual del Usuario. Fuentes de Alimentación Series GT-21089

WARNING! RISK OF FIRE! SHOCK HAZARD!
Advertencia! Riesgo de Fuego! Peligro de Choque eléctrico!

No user serviceable components inside. Disconnect power cord before removing cover.
No contiene dentro componentes servibles para el usuario. Desconecte el cable de alimentación antes de quitar la cubierta.

INDOOR USE ONLY!
Únicamente para uso en el interior.

GROUNDING: *If Ground is provided, "-W3", "-T3" models, An approved power supply cord for use in the country of destination must be provided. Ground is Functional only and not used for prevention of Electrical Shock. The Power Supply is double insulated.*
TIERRA: Si se proporciona conexión a tierra, "- modelos W3", "- T3", un cable de alimentación certificado debe ser usado en el país de destino. El conector a tierra es funcional solamente y no se utiliza para la prevención de choque eléctrico. La fuente de alimentación debe tener doble aislación.

POWER SUPPLY CORD: *AC Mains voltage should be provided to the power supply by a power supply cords approved to the national standards in which it will be used. Please use the below table as a guideline for Suitable Power cords.*
*CABLE DE ALIMENTACIÓN: El voltaje de la CA debe proporcionarse a la fuente de alimentación mediante los cables de alimentación aprobados conforme a las normas nacionales según las cuales será utilizada. Utilice por favor la tabla mencionada aquí abajo como guía para los cables eléctricos adecuado**s.***

COUNTRY/ PAIS	RATING / RANGOS	AGENCY / AGENCIA	P/N FOR CLASS I / P/N PARA TIPO CLASSE I	P/N FOR CLASS II / P/N PARA TIPO CLASSE II
NORTH AMERICA/ NORTE AMERICA	120V	UL/cUL/CSA	3021457F701	4511116F703A
EUROPE/ EUROPA	230V	VDE, MIN.	23144272M5701	2074112M703A
UNITED KINGDOM/ RAINO UNIDO	230~240V	BSI, N, OR EQUIV	PZ0800100/2M5BK13	6104112M703
CHINA	230V	CCC	6023602M5701	4533501M8703
JAPAN / JAPON	100V	PSE	3003068F2701	451J3401M8701
ARGENTINA	230V	IRAM	219272M0701	5034112M0703

FUSING: *Internal fuse for Line is provided in the power supply. A blown internal fuse is an indication of catastrophic failure of circuit component(s). Repair must be performed by GlobTek, Inc. authorized personnel. Fuses must be replaced with same type and ratings per GlobTek internal documentation.*

FUSIBLES: La fuente de alimentación provee un fusible interno para la línea. Un fusible interno quemado es un indicador de una falla catastrófica de los componentes del circuito. La reparación debe ser hecha por personal autorizado de GlobTek, Inc. Los fusibles se deben reemplazar por los mismos tipos y rangos que la documentación interna de GlobTek mencione.

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China RoHS SELF DISCLOSURE TABLE

有毒有害物质或元素名称及含量标准形式 Name and concentration of hazardous substance or element in product						
零件名 Name of part	剧毒有害物质或元素 Hazardous substance or element					
	铅 Pb	汞 Hg	镉 Cd	六价铬 Cr(VI)	多溴联苯 PBB	多溴二苯醚 PBDE
输出线材料 DC CABLE	X	O	O	O	O	O
输入插座 AC SOCKET	X	O	O	O	O	O
二极管 SMD ZENER	X	O	O	O	O	O

O: 表示该有毒有害物质在这部件中所有同质材料中的含量均在SJ/T 11363-2006规定的限量要求以下.

O: refers to the concentration of this hazard substance in the all homogenous materials in this part is below the concentration limit as stipulated in the standard SJ/T 11363-2006.

X: 表示该有毒有害物质至少在这部件中的某一同质材料中的含量超出 SJ/T 11363-2006规定的限量要求.

X: refers to the concentration of this hazard substance at least in a homogenous material is higher than the concentration limit as stipulated in the standard SJ/T 11363-2006.

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SINGLE OUTPUT, DESKTOP UNIVERSAL INPUT, ITE, CLASS II FE

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